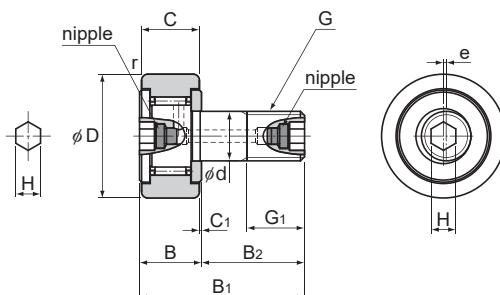


Eccentric Cam Follower with Grease Nipple Model CFH-AB

Optional specifications		Symbol
Roller guide	With cage	No Symbol
	Full rollers	V
Material	Carbon steel	No Symbol
	Stainless steel	M
Seal	Without seal	No Symbol
	With seal	UU
Outer ring shape	Cylindrical outer ring	No Symbol
	Spherical outer ring	R



Stud diameter d	Model No.	Main dimensions											
		Outer diameter D	Outer ring width C	Threaded G	G ₁	B	B ₁	B ₂	C ₁	Runout e	H	r _{amin}	Shoulder height f (Min.)
12	CFH 12-AB	30	14	M12×1.5	13	15	40	25	0.6	0.4	6	0.6	20
12	CFH 12-1-AB	32	14	M12×1.5	13	15	40	25	0.6	0.4	6	0.6	20
16	CFH 16-AB	35	18	M16×1.5	17	19.5	52	32.5	0.8	0.5	6	0.6	24
18	CFH 18-AB	40	20	M18×1.5	19	21.5	58	36.5	0.8	0.6	6	1	26
20	CFH 20-AB	52	24	M20×1.5	21	25.5	66	40.5	0.8	0.7	8	1	36
20	CFH 20-1-AB	47	24	M20×1.5	21	25.5	66	40.5	0.8	0.7	8	1	36
24	CFH 24-AB	62	29	M24×1.5	25	30.5	80	49.5	0.8	0.8	8	1	40
24	CFH 24-1-AB	72	29	M24×1.5	25	30.5	80	49.5	0.8	0.8	8	1	40
30	CFH 30-AB	80	35	M30×1.5	32	37	100	63	1	1	8	1	46
30	CFH 30-1-AB	85	35	M30×1.5	32	37	100	63	1	1	8	1	46
30	CFH 30-2-AB	90	35	M30×1.5	32	37	100	63	1	1	8	1	46

Note: For information on accuracy standards, please refer to **A19-14**.

Model number coding

CFH12 V M UU R -AB

Model No.

No symbol: With cage

V

: Full-roller Type

No symbol: Carbon steel

M

: Stainless steel

Stud With Hexagonal Socket At Both Ends

No Symbol : Cylindrical outer ring

R

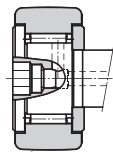
: Spherical outer ring

No symbol: Without seal

UU

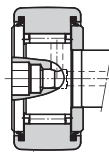
: With seal

Note: For accessories, see **A19-38**.



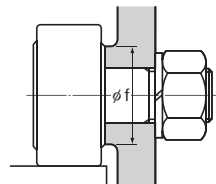
R500 (CFH18 or lower)
R1000 (CFH20 or higher)

Model CFH-R-AB



R500 (CFH18 or lower)
R1000 (CFH20 or higher)

Model CFH-UUR-AB



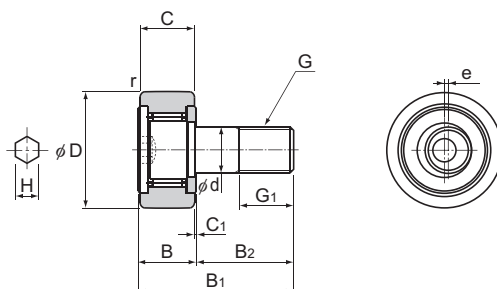
Unit: mm

	Basic Load Rating				Maximum permissible load F ₀ kN	Track load capacity		Rotational speed limit ¹		Mass	
	With cage		Full rollers			Cylindrical outer ring kN	Spherical outer ring kN	With cage min ⁻¹	Full rollers min ⁻¹	With cage g	Full rollers g
	C kN	C ₀ kN	C kN	C ₀ kN							
	7.87	9.79	13.4	19.8	9.37	7.06	2.45	14000	5800	105	107
	7.87	9.79	13.4	19.8	9.37	7.45	2.74	14000	5800	115	117
	12	18.3	20.6	37.6	17.3	11.2	3.14	10000	4500	205	207
	14.7	25.2	25.2	51.3	26.1	14.4	3.72	8500	3800	295	300
	20.7	34.8	33.2	64.8	32.1	23.2	8.23	7000	3400	525	530
	20.7	34.8	33.2	64.8	32.1	21	7.15	7000	3400	450	455
	30.6	53.2	46.7	92.9	49.5	34.2	10.5	6500	2900	915	925
	30.6	53.2	46.7	92.9	49.5	39.8	12.9	6500	2900	1150	1160
	45.4	87.6	67.6	145	73.7	52.6	14.9	5000	2300	1880	1890
	45.4	87.6	67.6	145	73.7	56	16.1	5000	2300	1950	1960
	45.4	87.6	67.6	145	73.7	59.3	17.3	5000	2300	2000	2010

¹ The rotation speed limit value in the table applies to models that have no seal and use grease lubrication. With those models using oil lubrication, up to 130% of this value is permitted. With those attached with seals, up to 70% of this value is permitted.

Eccentric Cam Follower with Hexagon Socket Model CFH-A

Optional specifications		Symbol
Roller guide	With cage	No Symbol
	Full rollers	V
Material	Carbon steel	No Symbol
	Stainless steel	M
Seal	Without seal	No Symbol
	With seal	UU
Outer ring shape	Cylindrical outer ring	No Symbol
	Spherical outer ring	R



Stud diameter	Model No.	Main dimensions											
		Outer diameter	Outer ring width	Threaded			Overall length			Runout			Shoulder height f (Min.)
d	Model No.	D	C	G	G ₁	B	B ₁	B ₂	C ₁	e	H	r _{min}	
5	CFH 5-A	13	9	M5×0.8	7.5	10	23	13	0.5	0.2	3	0.3	9.7
6	CFH 6-A	16	11	M6×1	8	12	28	16	0.6	0.25	3	0.3	11
8	CFH 8-A	19	11	M8×1.25	10	12	32	20	0.6	0.25	4	0.3	13
10	CFH 10-A	22	12	M10×1.25	12	13	36	23	0.6	0.3	5	0.3	15
10	CFH 10-1-A	26	12	M10×1.25	12	13	36	23	0.6	0.3	5	0.3	15

Notes: THK also manufactures types that have a driver groove and a lubrication hole on the head. (Model numbers of types with a driver groove do not include symbol "-A" in the end.)

For information on accuracy standards, please refer to **A19-14**.

Those models do not have a lubrication hole and cannot be replenished with grease.

Model number coding

CFH10 V M UU R -A

Model No.

No symbol: With cage

V : Full-roller Type

No symbol: Carbon steel

M : Stainless steel

No symbol: without seal

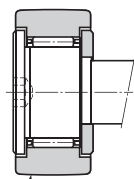
UU : With seal

Stud head with a hexagon socket

No Symbol : Cylindrical outer ring

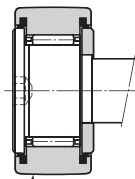
R : Spherical outer ring

Note: For accessories, please refer to **A19-38**.



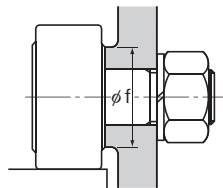
R250 (CF5)
R500 (CF6 to CF10)

Model CFH-R



R250 (CF5)
R500 (CF6 to CF10)

Model CFH...UUR



Unit: mm

	Basic load rating				Maximum permissible load F ₀ kN	Track load capacity		Rotational speed limit ¹		Mass	
	With cage		Full rollers			Cylindrical outer ring kN	Spherical outer ring kN	With cage min ⁻¹	Full rollers min ⁻¹	With cage g	Full rollers g
	C kN	C ₀ kN	C kN	C ₀ kN							
	3.14	2.77	5.1	5.5	1.42	2.25	0.53	29000	11600	10.5	11
	3.59	3.58	6.94	8.5	2.11	3.43	1.08	25000	11000	18.5	19
	4.17	4.65	8.13	11.2	4.73	4.02	1.37	20000	8700	28.5	29
	5.33	6.78	9.42	14.3	5.81	4.7	1.67	17000	7200	45	46
	5.33	6.78	9.42	14.3	5.81	5.49	2.06	17000	7200	60	61

○: Model CFH5M-A is available only in carbon steel.

¹ The rotation speed limit value in the table applies to models that have no seal and use grease lubrication. With those models using oil lubrication, up to 130% of this value is permitted. With those attached with seals, up to 70% of this value is permitted.